

## RAW SEQUENCE LISTING PATENT APPLICATION US/09/017,524

DATE: 10/18/1999 TIME: 14:09:18

INPUT SET: S33681.raw

This Raw Listing contains the General Information Section and up to the first 5 pages.

SEQUENCE LISTING

_		SEQUENCE LISTING	
2 3	(1)	General Information	ENTERED
4			ENIEREL
5		(i) APPLICANT: Kubo, Ralph T.	
6		Grey, Howard M.	
7		Sette, Alessandro	
8		Celis, Esteban	
9		Southwood, Scott	
10			
11		(ii) TITLE OF THE INVENTION: HLA Binding	g Peptides and Their
12		Uses	
13			
14		(iii) NUMBER OF SEQUENCES: 103	
15			
16		(iv) CORRESPONDENCE ADDRESS:	
17		(A) ADDRESSEE: Townsend and Townsend	
18		(B) STREET: Two Embarcadero Center, E	ighth Floor
19		(C) CITY: San Francisco	
20		(D) STATE: CA	
21		(E) COUNTRY: USA	
22		(F) ZIP: 94111-3834	
23			
24		(v) COMPUTER READABLE FORM:	
25		(A) MEDIUM TYPE: Diskette	
26		(B) COMPUTER: IBM Compatible	
27		(C) OPERATING SYSTEM: DOS	
28		(D) SOFTWARE: FastSEQ for Windows Vers	sion 2.0
29		() CURRENT ADDITION DAWN.	
30		(vi) CURRENT APPLICATION DATA:	
31 32		(A) APPLICATION NUMBER: 09/017,524 (B) FILING DATE: 03-FEB-1998	
33		(C) CLASSIFICATION:	
34		(C) CHASSIFICATION:	
35		(vii) PRIOR APPLICATION DATA:	
36		(A) APPLICATION NUMBER: US 08/589,107	
37		(B) FILING DATE: 23-JAN-1996	
38		(b) IIIING DAIL. 23 OAK 1990	
39		(viii) ATTORNEY/AGENT INFORMATION:	
40		(A) NAME: Weber, Ellen Lauver	
41		(B) REGISTRATION NUMBER: 32,762	
42		(C) REFERENCE/DOCKET NUMBER: 018623-00	05091US
43		. ,	
44		(ix) TELECOMMUNICATION INFORMATION:	
45		(A) TELEPHONE: 415-576-0200	
46		(B) TELEFAX: 415-576-0300	

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47	(C) TELEX:
48	
49	
50	(2) INFORMATION FOR SEQ ID NO:1:
51	
52	(i) SEQUENCE CHARACTERISTICS:
53	(A) LENGTH: 9 amino acids
54	(B) TYPE: amino acid
55	(C) STRANDEDNESS: single
56	(D) TOPOLOGY: linear
57	(D) TOPOLOGI. IIIIeal
	(ii) MOLEGULE MYDE, nontido
58	(ii) MOLECULE TYPE: peptide
59	/ ')
60	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
61	
62	Phe Leu Trp Thr Gln Ser Leu Arg Arg
63	1 5
64	
65	(2) INFORMATION FOR SEQ ID NO:2:
66	
67	(i) SEQUENCE CHARACTERISTICS:
68	(A) LENGTH: 9 amino acids
69	(B) TYPE: amino acid
70	(C) STRANDEDNESS: single
	(D) TOPOLOGY: linear
71	(D) TOPOLOGI: TIMear
72	(11) NOT DOWN B. MUDB
73	(ii) MOLECULE TYPE: peptide
74	
75	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
76	
77	Gly Ile Pro Tyr Cys Asn Tyr Ser Lys
78	1 5
79	
80	(2) INFORMATION FOR SEQ ID NO:3:
81	
82	(i) SEQUENCE CHARACTERISTICS:
83	(A) LENGTH: 9 amino acids
84	(B) TYPE: amino acid
85	(C) STRANDEDNESS: single
86	(D) TOPOLOGY: linear
87	(b) foroboot. Timear
88	(ii) MOLECULE TYPE: peptide
	(II) MODECODE TIPE: pepcide
89	/
90	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
91	
92	Gly Val Val Arg Val Trp Asp Val Lys
93	1 5
94	
95	(2) INFORMATION FOR SEQ ID NO:4:
96	
97	(i) SEQUENCE CHARACTERISTICS:
98	(A) LENGTH: 9 amino acids
99	(B) TYPE: amino acid

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100
               (C) STRANDEDNESS: single
101
               (D) TOPOLOGY: linear
102
            (ii) MOLECULE TYPE: peptide
103
104
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
105
106
107
       Met Leu Arg Leu Phe Asp Phe Asn Lys
108
109
                (2) INFORMATION FOR SEQ ID NO:5:
110
111
112
            (i) SEQUENCE CHARACTERISTICS:
113
               (A) LENGTH: 9 amino acids
114
               (B) TYPE: amino acid
115
               (C) STRANDEDNESS: single
               (D) TOPOLOGY: linear
116
117
             (ii) MOLECULE TYPE: peptide
118
119
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
120
121
       Arg Thr Arg Asp Ile Tyr Ile Ser Arg
122
123
124
125
                (2) INFORMATION FOR SEQ ID NO:6:
126
             (i) SEQUENCE CHARACTERISTICS:
127
               (A) LENGTH: 9 amino acids
128
               (B) TYPE: amino acid
129
130
               (C) STRANDEDNESS: single
               (D) TOPOLOGY: linear
131
132
            (ii) MOLECULE TYPE: peptide
133
134
135
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
136
      Ser Ala Val Ile Asp Ala Leu Pro Arg
137
138
                        5
139
                (2) INFORMATION FOR SEQ ID NO:7:
140
141
142
            (i) SEQUENCE CHARACTERISTICS:
               (A) LENGTH: 9 amino acids
143
               (B) TYPE: amino acid
144
               (C) STRANDEDNESS: single
145
               (D) TOPOLOGY: linear
146
147
            (ii) MOLECULE TYPE: peptide
148
149
150
             (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
151
152
      Ser Val Leu Arg Ala Val Leu Pro Arg
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153	1	5
154	_	•
155		(2) INFORMATION FOR SEQ ID NO:8:
156		, ,
157		(i) SEQUENCE CHARACTERISTICS:
158		(A) LENGTH: 9 amino acids
159		(B) TYPE: amino acid
160		(C) STRANDEDNESS: single
161		(D) TOPOLOGY: linear
162		
163		(ii) MOLECULE TYPE: peptide
164		<del></del>
165		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:
166		
167	Val	Thr Phe Leu Leu Cys Gly Arg
168	1	5
169		
170		(2) INFORMATION FOR SEQ ID NO:9:
171		
172		(i) SEQUENCE CHARACTERISTICS:
173		(A) LENGTH: 10 amino acids
174		(B) TYPE: amino acid
175		(C) STRANDEDNESS: single
176		(D) TOPOLOGY: linear
177		
178		(ii) MOLECULE TYPE: peptide
179		
180		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:
181		
182		Met Ser Cys Asp Phe Asn Gly Gly Lys
183	1	5 10
184		(2) INFORMATION FOR GEO ID NO 10
185 186		(2) INFORMATION FOR SEQ ID NO:10:
187		(i) SEQUENCE CHARACTERISTICS:
188		(A) LENGTH: 10 amino acids
189		(B) TYPE: amino acid
190		(C) STRANDEDNESS: single
191		(D) TOPOLOGY: linear
192		(=, ===================================
193		(ii) MOLECULE TYPE: peptide
194		(all)
195		(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:
196		· · · · · · · · · · · · · · · · · · ·
197	Gly	Ser Tyr Ile Ala Leu Asp Ser Gly Arg
198	1	5 10
199		
200		(2) INFORMATION FOR SEQ ID NO:11:
201		
202		(i) SEQUENCE CHARACTERISTICS:
203		(A) LENGTH: 10 amino acids
204		(B) TYPE: amino acid
205		(C) STRANDEDNESS: single

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206	(D) TOPOLOGY: linear
207	
208	(ii) MOLECULE TYPE: peptide
209	
210	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:11:
211	
212	Lys Ser Phe Leu Trp Thr Gln Ser Leu Arg
213	1 5 10
214	
215	(2) INFORMATION FOR SEQ ID NO:12:
216	(b) Interest for Day 15 invitation
217	(i) SEQUENCE CHARACTERISTICS:
218	(A) LENGTH: 10 amino acids
	(B) TYPE: amino acid
219	
220	(C) STRANDEDNESS: single
221	(D) TOPOLOGY: linear
222	
223	(ii) MOLECULE TYPE: peptide
224	
225	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:12:
226	
227	Leu Thr Tyr Ser Gln Leu Met Thr Leu Lys
228	1 5 10
229	
230	(2) INFORMATION FOR SEQ ID NO:13:
231	(2) Intoldantion for pag 12 horizon
232	(i) SEQUENCE CHARACTERISTICS:
232	(A) LENGTH: 10 amino acids
234	(B) TYPE: amino acid
235	(C) STRANDEDNESS: single
236	(D) TOPOLOGY: linear
237	4111
238	(ii) MOLECULE TYPE: peptide
239	
240	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:13:
241	
242	Arg Thr Arg Asp Ile Tyr Ile Ser Arg Arg
243	1 5 10
244	
245	(2) INFORMATION FOR SEQ ID NO:14:
246	(a) ====================================
247	(i) SEQUENCE CHARACTERISTICS:
248	(A) LENGTH: 9 amino acids
249	(B) TYPE: amino acid
250	(C) STRANDEDNESS: single
251	(D) TOPOLOGY: linear
252	(11) 202
253	(ii) MOLECULE TYPE: peptide
254	4.40
255	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:14:
256	
	Tyr Arg His Leu Leu Cys Leu Glu Arg
5.9	1 5

# SEQUENCE VERIFICATION REPORT PATENT APPLICATION US/09/017,524

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